30th WLTP Sub Group EV Meeting	
Date	11 December 2019
Time	9:00 to 11:55 CET
Title	30th WLTP Sub Group EV Meeting – Minutes
Location	Web-Audio

0	**Revision & adoption of meeting minutes & agenda**
	- Meeting minutes of web-audio on 26 November 2019 01_WLTP SG EV Minutes 26 November 2019.pdf → Adopted - Adoption of this agenda → Adopted
1	**WLTP Low Temp Test Procedure Development for EVs: inputs**
	Update on ACEA EV proposal on Low Temp test procedure for EVs (already including boxes with comments from this meeting): 191211_draft_update_proposal_Low-Temperature-Test_ACEA_with_comments_SG EV.pdf → Co-TS Matthias guided on behalf of ACEA EV through the presentation explaining all updates and the background behind and the reason for these updates → Two questions from Nick-san: 1. Background of the first soak of 9h? - Feedback ACEA EV to 1: To cool the vehicle down after the soak at 23°C to a representative level 2. SoC level after precon same than after type 6 test procedure? - Feedback ACEA EV to 2: Valid point. Solution: introduction of a requirement which says that SoC level after precon has to have same level than SoC level after test → Feedback from EC: - For the preconditioning in the PEV test procedure, break-off-criterion need to be defined (reply ACEA EV: will be noted down) - Preconditioning at 23°C will only be accepted as an option if sufficient evidence is given that only a negligible impact on test result is coming from this - Level of constant Speed at the end of the preconditioning need to be defined; proposal: same level of constant speed shall be used there as in Type 6 test procedure; speed in Type 6 test procedure shall be same than speed in Type 1 test procedure (reply ACEA EV: will be noted down) - In case of mandatory base procedure (without any customer initiated applications like cabin preconditioning) and optional additional procedure (with customer initiated application), there need to be a clear picture how this shall be written in the type approval documents (reply ACEA EV: still under discussion)

	→ Discussion of the new alternative procedure for PEVs where two cycles at the beginning are followed by constant speed which need to be driven to the right end: - JP and EC are not supporting this new procedure at the moment - EC stated that this new procedure can be discussed in a second step (not sufficient time at the moment); existing procedures shall be used → Feedback JPN: - JPN will discuss proposal internally, not able to give feedback at the moment - JPN will come back with a feedback in the January meetings → Feedback from Low Temp TF meeting on Dec. 12 (not discussed in this meeting): EC: - It should be focused on the mandatory base procedure in first step - Optional additional procedure can be integrated via an update It should be also clear that optional additional procedure is no alternative…it is something which can be done in addition.
2	**WLTP Low Temp Test Procedure Development for EVs: discussion on open items / drafting process**
	Discussion on open items Latest status of the discussion on topics ”Under Discussion”: See document *WLTP_Low_Temp_TF_Status_list_v2019-11-22.xlsx* on UNECE wiki https://wiki.unece.org/display/trans/LowT+TF+31st+Telco → No discussion in SG EV during this meeting on this Excel Open topic table → During meeting, Christophe Petitjean (CLEPA) gave a brief summary of the discussions in the Auxiliary Subgroup, announcing that the feedback for the Low Temp TF meeting on December 12th is still in preparation. Link to report from Auxiliary SG to Low Temp TF: Auxiliaries Sub-Group for LowTemp UN TF activities-CP-update-12dec2019.pdf Link to text draft proposal from Auxiliary SG to Low temp TF: Text draft proposal for Auxil 1&2- WLTP Low Temp-CP-V3 for TF-12dec2019.docx Link to FAQ for Auxil @Low Temp CP for TF: Copy of FAQ for Auxil @ Low Temp-CP-for TF-12dec2019.pdf → Not discussed during this meeting but please find under the link below the report from Iddo on the latest status of the discussion on low temp road load setting which had been at Low Temp TF meeting on December 12th: Report to LowTempTF on road load setting.pdf

	Drafting process Latest version of the Low Temp Optional Annex of GTR#15 can be found in the following folder on UNECE wiki: https://wiki.unece.org/display/trans/Optional+annex+Low+T+-+Drafting 1st SG EV Drafting Group web-audio was held on 3 December 2019 → A next drafting meeting will be scheduled for January 7th, starting right after the WLTP Subgroup EV meeting on January 7th.
3	**UNR WLTP Informal Documents**
	IWG on WLTP Proposal for a new 00 series of amendments: https://www.unece.org/fileadmin/DAM/trans/doc/2020/wp29grpe/ECE-TRANS-WP29-GRPE-2020-03e.docx IWG on WLTP Proposal for a new 01 series of amendments: https://www.unece.org/fileadmin/DAM/trans/doc/2020/wp29grpe/ECE-TRANS-WP29-GRPE-2020-04e.docx Discussion points: (1) Input SG EV for Transposition TF: - **Note:** final decision to include OVC-FCHV for level 1A to be provided by EC after MVEG meeting on 18.12.2019 - OVC-FCHV proposal does not only include the test procedure for OVC-FCHV but also the interpolation method for OVC- & NOVC-FCHV **To be clarified:** when removing OVC-FCHV related items can interpolation method for NOVC-FCHV remain? → Interpolation method for NOVC-FCHVs will be discussed internally within JPN and EC until next WLTP SG EV web-audio on January 7th → ACEA EV (and also other members of SG EV) are asked to provide ideas to define FCHV specific family criteria as well as interpol./extrapol. range for (N)OVC-FCHVs → Matthias (Co-TS) has been asked to provide a document which only contains NOVC-FCHVs related updates. This document will be prepared and provided by the end of this week to support the drafting coordinator in his work (2) Input ACEA EV for SG EV (new) for Transposition TF: Declared number of cycles in CD mode for OVC-HEVs.pdf → Background understood but feedback that this case seems to be rare case → Proposed from SG EV member that an alternative solution should be created which does not need to add another declared value but achieves the same target. → ACEA EV will work on this and provide an updated presentation by January latest → EC and JP will check the proposal and come back with feedback until January Updated open topics presentation (Rev. 8): 02_open topics_Input_SG EV_UNR Development_WLTP-28-09e_rev8.pdf UNR WLTP 00 and 01 series – Updated square bracket summary: 191127 - Square bracket summary for UNR WLTP 00 and 01 series_MaN.docx

4	**Next steps**
	Tasks until 7 January 2020 web-audio: (1) Input from SG EV including draft text proposals for Low Temp Optional Annex (2) Input from SG EV for UNR WLTP informal documents
5	**Next meetings (WLTP calendar)**
	WLTP SG EV Web-audio in January 2020 (31st Subgroup EV Meeting): 7 January 2020, 09:00 to 12:00 CET Web-Audio-data: https://ecwacs.webex.com/meet/sporsti-ronnberg Topics: - Aspects of Low Temp test procedure for NOVC-/OVC-HEV and PEV - Drafted text proposals for Low Temp Optional Annex - Discussion of input for UNR WLTP informal document Low Temp Drafting web-audio of WLTP SG EV in January 2020: 7 January 2020, 12:00 to 13:00 CET Web-Audio-data: https://ecwacs.webex.com/meet/sporsti-ronnberg Topics: - EV Drafting of text proposals for Low Temp Optional Annex WLTP SG EV Face-to-face meeting in January 2020 (32nd Subgroup EV Meeting): 14 January 2020, 09:30 to 12:30 CET Geneva, Palais des Nations, Room IX (room overview: GRPE-80-01) Topics: - Final discussion and conclusion of SG EV input for Low Temp Optional Annex in GTR#15, i.e. informal document for GTR#15 Amd#6 - Final discussion and conclusion of SG EV input for UNR WLTP informal documents
6	**AOB**
